

Magnetic properties and spin kinetics in Kondo lattices

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Abstract

© Kazan Federal University (KFU). We present a theoretical model to describe unusual properties of Kondo lattices. The influence of the Kondo effect on the static magnetic susceptibility and electron spin resonance (ESR) parameters is studied in a simple molecular field approximation together with a scaling perturbative approach. Theoretical expressions well agree with the ESR and static magnetic susceptibility experimental data.

Keywords

ESR, Kondo effect, Kondo lattice, Static magnetic susceptibility